

Analyse quantitative I

Lecturer

Catherine VERMANDELE (Coordinator)

Course mnemonic

STAT-D203

ECTS credits

5 credits

Language(s) of instruction

French

Course period

First term

Course content

Confidence intervals. Hypotheses testing. Some nonparametric tests to solve position problems. Simple and multiple linear regression. Principal components analysis.

Objectives (and/or specific learning outcomes)

To introduce the classical techniques of inferential statistics. To present some methods of multivariate analysis used in the statistical treatment of surveys.

Pre-requisites and co-requisites

Pre-requisites courses

SOCA-D173 | Formalisation pour les sciences sociales et politiques | 5 crédits and STAT-D103 | Eléments de statistique | 5 crédits

Teaching method and learning activities

Ex cathedra course accompanied by exercises allowing students to apply the concepts, tools and methods seen in the theoretical course.

References, bibliography and recommended reading

Dehon C., J.-J. Dreesbeke et C. Vermandele (2008), *Eléments de statistique* (5e édition), Editions de l'Université de Bruxelles (Bruxelles) et Editions Ellipses (Paris).

Other information

Contact(s)

E-mail: vermande@ulb.ac.be Phone: 02/650.46.55 Solbosch Campus, Building H, Office H4.155

Evaluation method(s)

Other

Evaluation method(s) (additional information)

Written examination with open questions about the theory and the resolution of exercises.

Determination of the mark (including the weighting of partial marks)

The result obtained at the exam constitutes the final note.

Theory questions represent about a quarter of the note, issues of exercises correspond approximately to the other three quarters.

Main language(s) of evaluation

French

Programmes

Programmes proposing this course at the faculty of Philosophy and Social Sciences

BA-SHUM | Bachelor in Human and Social Sciences | option Bruxelles/unit 3 and BA-SOCA | Bachelor in Sociology and Anthropology | unit 3

Programmes proposing this course at the faculty of Letters, Translation and Communication

MA-COMU | Master in communication | finalité Research/unit 1 and MA-JOUR | Master in journalism | finalité Research/unit 1